

JEYALAKSHMI RAMAMOORTHY

SENIOR FULL STACK ENGINEER | REACT.JS | NODE.JS | TOTAL YRS - 9+

B15-05, Palm court Condo., Brick fields, Kuala Lumpur 50470 • +60177605376
jeya254@gmail.com • www.linkedin.com/in/jeyalakshmi-ramamoorthy-aba86b82/

SUMMARY

To secure a challenging position in a reputable organization to expand my learnings, knowledge, and skills. Secure a responsible career opportunity to fully utilize my training and skills, while contributing significantly to the company's success. To make use of my interpersonal skills to achieve the goals of a company that focuses on customer satisfaction and customer experience.

WORK EXPERIENCE

Senior Full Stack Engineer, Maybank, Malaysia

Sep 2023 - Present

- Leading MPOP project for front end web page and server
- Implementing the two modules (RTS, ISO) as single project
- **RTS**
 - Maintain and monitoring the bank list information which ever banks connected with Maybank.
 - Monitoring the debit and credit transactions as summary information.
 - Managing the charging fees such as service tax, processing tax based on country selection.
- **ISO**
 - Handling the payment portal incoming/outgoing transactions from bank to bank and bank to customer.
 - Convert the Swift standard transaction message(MT) into XML message(MX) and vice versa using backend tool.
 - Monitoring each payment transaction's status like host submission, intermediary, error and NSTP/STP.
 - Convert the iso standard XSD schema definition into appropriate hierarchy level and displayed the level into treeview structure.
 - Maintaining Role structure like super admin, user admin, maker and checker. Maker can able to edit the transaction message and checker can verify the maker's changes then provided the privilege for either approve or reject.
 - Balancing the role hierarchy like which roles able to monitor other role's daily activities.
 - Handling the Deployment Setup based on the environment.
 - Managing the Scrum master role.
 - Handling Junior Employess. Team Size - 2.
- Role - **Planning, Designing, Development, Testing, Task Creation, Deployment, Setup new user activities and Sprint closure.**
- Skills - **React.js(Redux),Node.js(Express), Typescript, Javascript, PostgreSQL and MongoDB**
- Architecture - **Redux Toolkit, MVC**
- Dev ops - **CI/CD, Github Runner, Apache, httpd, PM2**
- Cloud Technology- **AWS**
- End user - **London, Singapore.**
- Payroll & Visa process Company as Contract - **Tech Matrix pvt ltd**
- Company Location - **Kuala Lumpur, Malaysia.**

1. Leading IIOT 4.0 project for Server and Web Page

- DRI for Factory digitalization project in Japan and successfully completed in April 2021 and currently working on international projects.
- Managing upcoming IIOT 4.0 projects
- Responsible for customer demos and Proof of concepts
- In-charge of Floor Map Designer Feature
- Server-related Task estimation and delivery
- Project Architect for Server and IIOT data flow under ISA88 standard
- Working closely with the Software Testing team on both White box and Black box testing
- Lead team in the development of industrial 4.0 software
- Coordinate with the Global Factories Team related to DFM discussion, and IIOT-related requirements.
- Coordinate with customer business analysts or Product owners to clarify the concept, design, and release packages.
- Responsible for Server SAT, Server Design Documentation, and Server Program Specification Documents under CSV and GAMP standard
- Collaborating closely with team members, Customers, and Management to address the project status
- Configured new VM setup in local testing server same as production without external support.
- Projects handled:
 - Factory Digitalization for Pharma Industry IIOT 4.0
 - Domain – Medical and controlled by the government.
 - Regenerative medicines with stem cells
 - Monitoring 120+ machines & 5 parameters with each machine in one-minute interval
 - 24/7 monitoring data using MQTT.
 - Focusing the Data Security, avoiding Network traffic and balancing a heavy load of data
 - Project consists of MQTT, VerneMQ, NGINX server, Redis Server, Protocol converters, C#, API server, PLC, IPC, InfluxDB, and Telegraf
 - Digitalizing the entire pharma factory in Japan. Collecting data from field devices using PLC/via FL-Net module. Sending the collected data to C#, From C# to telegraf, and VerneMQ. Telegram sends data to the historian server and verneMQ sends data to the API server.
- Implemented Floor Map Designer feature.
- Roles - **Sizing, Planning, Implementation, Dev Testing, and Production Deployment**
- Technologies - **React.js (Redux), Node.js (Express), MySQL, Influx DB, VerneMQ and Telegraf**
- Mobile Technologies - **React Native, Android Emulator and Xcode Emulator.**
- Protocols - **MQTT, Socket Communication**
- Architecture – **Redux, MVC**
- Dev ops - **CI/CD, Gitlab Runner, Nginx, PM2, Linux**
- Cloud Technology - **AWS**
- End User – **Japan.**

2. IIOT 4.0 for EMS Automobile Industry

- Integrate multiple machines and PLCs with different protocols to collect and store data for 6 years. Visualize the data in a custom web UI with historian features. Data will be stored in a format optimized for machine learning and deep learning to enable AI-driven predictions and insights.
- Roles - **Sizing, Planning, Implementation, Dev Testing, and Deployment**
- Technologies- **React.js (Redux), Node(Express), MySQL, Influx DB, MongoDB, and Telegraf**
- Architecture – **Redux, MVC**
- Mobile Technologies - **React Native, Android Emulator**
- Protocols – **MQTT, Web Socket**
- End User – **Thailand, China, and Mexico**
- Company Location - **Thiruvananthapuram, INDIA**

Senior Software Engineer, RM Education Pvt Ltd.,

July 2015 - July 2019

- Installation and commissioning at the customer site
- Handling proper agile methodology.
- Leading junior employees for development.
- Working as an active scrum master based on the lead's availability.
- Presenting Demo to customers
- Visiting London for onsite support two times.
- Working as a code reviewer.
- Supporting build deployment
- Leading New Product launches.
- Projects handled:
 - Mark and validate the exam papers online.
 - Project consists of Practice and Live marking, Team management, and Admin handling.
 - Marking and validating the student's paper online. Here the scripts, which are written by students, are scanned, and uploaded into databases and shared folders on our server. Those scripts, which are uploaded to the server, are accessed by our application, and start marking using our application by placing annotations and adding marks. After validation, marks are published.
 - Sub Tools are
 - SAAD
 - Image Processing (Auto zoning and Auto Marking)
 - **Image Processing for Answer Sheet Evaluation** - Developed a Python-based image processing system using OpenCV to automate the evaluation of answer sheets. The solution extracts answered sections from structured forms as images, which are then sent to an AI model for OCR processing to convert the images into human-readable text. The extracted text is compared with the correct answer key to automatically assess the responses. This approach significantly reduces manual effort and improves accuracy in evaluating large volumes of answer sheets efficiently.
- Roles - **Sizing, Planning, Implementation, Dev Testing**
- Technologies - **React.js with Typescript, Dot Net (Web API)**
- Storage - **AWS (File Storage and Blob Storage)**
- Image Processing - **Python, Flask, OpenCV, AWS - Amazon Textract**
- End User - **UK**
- Company Location - **Thiruvananthapuram, INDIA**

- Developing windows applications
 - Communicating with direct clients and discussing project requirements.
 - Managing the project as a person.
 - Dev Testing and deployment to the production site.
 - Working on multiple projects simultaneously
 - Projects handled:
 - Job assigning and Employee work time tracking tool.
 - Project consists of Job, Job assigning, Idle time, Working time, and screenshots.
 - It is for working employees. Assign the recursive and non-recursive jobs to multiple employees at a time. Tracking the employee's working hours, and idle hours and taking screenshots of the systems at the config time.
 - Technologies - **.Net (Windows), MS SQL.**
 - End User - **Pakistan, US**
 - Company Location: **Madurai, INDIA**
-

SKILLS

- **Databases** - MS SQL Server, PostgreSQL, InfluxDB, and MongoDB
 - **Cloud DB** - Firebase, AWS
 - **Languages** - C# (OOPS), ASP.Net, JavaScript, jQuery
 - **Framework** - .Net Core, Express
 - **JavaScript Libraries** - React.js, Node.js
 - **Deployment Tools** - CI/CD, Gitlab runner, Apache, httpd, nginx, PM2
 - **Architecture** - Redux, MVC, 3-tier
 - **Communication Protocols** - MQTT, WebSocket, and Telegraf
 - **Mobile Applications** - React Native (Basics)
-

EDUCATION

Bachelor of Engineering (Computer Science)

2010 - 2013

Sethu Institute of Technology, Virudhunagar, Tamilnadu, India

Diploma of Computer Engineering

2007 - 2010

Government Polytechnic, Madurai, TamilNadu, India

AWARDS & RECOGNITIONS

- "Star of the month" award from Kimball Electronics in Mar 2020.
 - "Consider it Done" award from Kimball Electronics in August 2022.
-

CERTIFICATES

- "First class with distinction" in Junior Type Writing English.
-

LANGUAGES

- **English, Tamil** - Fluent
 - **Malayalam, Kannada** - Speak
-

PERSONAL DETAILS

- **Father Name** - Ramamoorthy
- **Husband Name** - Sathishkumar
- **DOB** - 25/04/1992
- **Marital Status** - Married
- **Nationality** - Indian
- **Gender** - Female